

# M A Y

at the  
CALIFORNIA ACADEMY OF SCIENCES

## MAY MEETING

Date: Wednesday, May 22, 8:15 p.m.  
Place: Morrison Auditorium  
Speaker: Dr. Edward S. Ross  
Subject: "ASIAN ALBUM"

As members of the Academy are aware, Dr. Ross has recently returned from an eighteen month "insect safari", a collecting trip which took him to Pakistan, India, Nepal, Malaya and Thailand as well as across northern Australia. At this meeting, Dr. Ross will be presenting his first report on the trip, a rare opportunity for his audience to take an armchair journey into the field and meet the people and see the places and things which occur on such a research expedition.

Dr. Ross' previous appearances as well as the memorable exhibits which have resulted from earlier trips betoken an unusual evening. A superior photographer, Dr. Ross' talk will be illustrated with 35 mm color slides, a culling from the thousands taken.

## MORRISON PLANETARIUM

May 7 through June 2: "THE MOONS OF MAN". Man, in past years, has created his own artificial moons, mechanical wonders such as Telstar, Tiros and Transit which orbit the earth. These and other new developments are the subject of this new sky show.

### Performances:

Monday.....Closed  
Tuesday..... 3:30 p.m. only  
Wed, Thurs, Fri ..... 3:30 & 8:30 p.m.  
Saturday, Sunday..... 2:00, 3:30 & 8:30 p.m.  
Adults, 75¢, Juniors, 40¢

## SPECIAL EXHIBITS

Exhibit of the Month: "SOUTH SEA ISLAND ARTIFACTS" collected by Mr. Bielfeldt Fedde. Main Foyer, Science Museum.

"FUCHSIAS", tempera and water color paintings by Velma Harris of the Academy staff. Lovell White Hall through May 31st.

"BOTANICAL PRINTS" by Henry Evans continues in Lovell White Hall. Extended through May 31st.

## "SCIENCE IN ACTION"

Monday nights, 7:00 p.m., KRON-TV, Channel 4  
May 6 : "THE 2-MILE ACCELERATOR", with Guest Scientist William T. Kirk, Stanford University.  
May 13: "INDIANS OF WESTERN AMERICA", with Dr. Carl Dentzel, Director, Southwest Museum.  
May 20: "INSTRUMENTATION", with Dr. Arnold Beckman of Beckman Instruments.  
May 27: "THE OCEANS", with Dr. Robert Fischer, Director, International Oceanographic Expedition, Scripps Institution of Oceanography.

## NEWS and NOTES .....

Though no specific date for reopening has been set, there is a quickening of pace around Steinhart Aquarium. With the unveiling coming closer and closer, there is an exciting acceleration of activity. New finny arrivals make their appearance daily by air, by land and by sea. The already completed tanks are being checked and tested and aquatic decorators have begun creating the magic that will turn the various aquaria into watery wonderlands.

May 22 promises to be one of the happiest times of all. On that day according to present plans, the two dolphins being presented to the Academy by Marineland of the Pacific at Los Angeles will make a journey by chartered plane from southern California to their home in the new 63,000 gallon tank specially constructed for them in the rehabilitated Steinhart. Prior to their departure, Tom Green, Senior Aquarist, will spend ten days at Marineland learning about the care and feeding of the duo. On the day of their flight, other members of the Aquarium staff together with representatives from Marineland will accompany them. From the San Francisco airport, these new treasures will be travelling by truck, generously splashed with sea water all the way.

After their arrival, the dolphins will undergo a carefully-planned training program in order that they be well-adjusted in their new home by the time the Aquarium is reopened. The membership will be introduced to them at a preview performance.

Any suggestions as to names?

Three new exhibits are worthy of the members' attention. Temporarily in the Alice Eastwood Hall of Botany is a collection of thirteen arresting enamels, the work of Kay Lydon of San Francisco. Miss Lydon gains an unusual effect in her plates by employing the plant material as a stencil over a polychrome enameled background.

In Astronomy Hall is an exhibit of early astronomical instruments -- astrolabes, sextants, orreries and globes -- loaned to the Academy on a long-term basis by Mr. Urbain Thielman and Mr. Ralph C. Shermund. Also in the same section is a new mechanical orrery illuminated by ultraviolet light. The mechanism which includes the six planets known to astronomers before the invention of the telescope is the work of A. S. Getten, Instrument Specialist on the Academy staff.

IGNATIUS MCGUIRE

November 27, 1898 - April 19, 1963

On Monday, May 13, the Academy will be host to fifteen foreign museum directors and curators who are touring the United States and visiting various institutions. The tour, under the aegis of the American Association of Museums and the fourth in an annual series, is offered by the Association in cooperation with the Department of State as part of its Cultural Exchange Program.

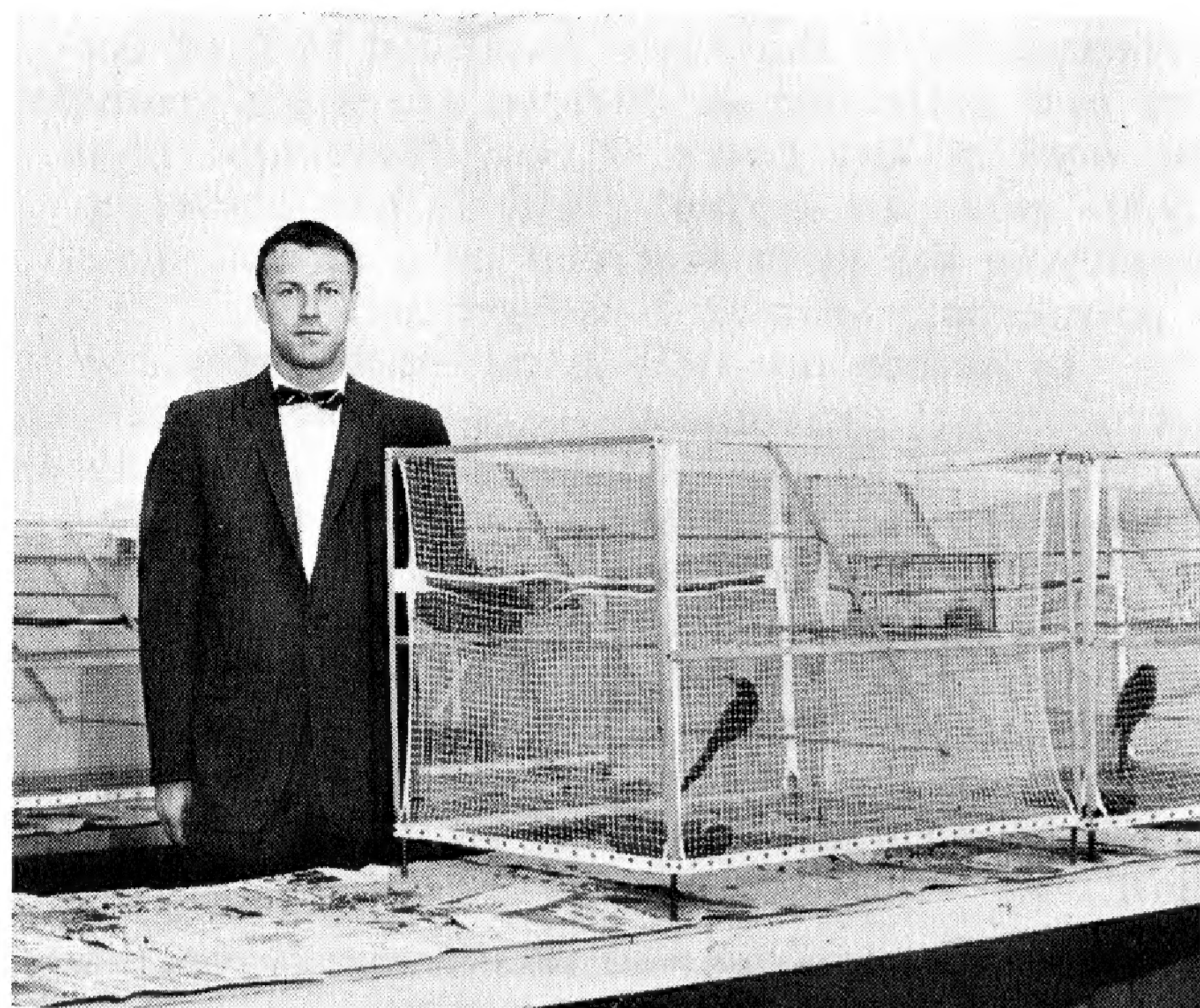
While in San Francisco, the group will attend a ten-day Seminar on Museum Education Methods and Techniques used in art, history and science museums. One whole day will be spent at the Academy as its contribution to the seminar and the distinguished visitors from Argentina, Belgium, Finland, Great Britain, India, Israel, New Zealand, Nigeria, Pakistan, Poland, Southern Rhodesia, Sweden, Switzerland, USSR and West Germany.

Dr. Josef Mayerhöfer, chief assistant to the director of the Austrian National Library in Vienna, visited the J. W. Mailliard, Jr., Library on April 17. Dr. Mayerhöfer is currently writing a monumental bio-bibliographical dictionary on the natural sciences, "Lexikon der Geschichte der Naturwissenschaften". He is widely recognized as one of the leading authorities in the history of science.

His host for his western visit was Dr. Henry Madden, Librarian at Fresno State College.

(Continued on reverse)

## Meet the Staff



DR. WILLIAM J. HAMILTON III, Research Biologist, is investigating the orienting abilities of birds which migrate at night. His experimental subjects, Bobolinks and Black-billed Cuckoos, normally migrate from the northern United States to South America, traveling mostly at night. The Academy has been an opportune site for his studies because of the availability of the artificial skies of the Morrison Planetarium where he tests his birds. The elaborate test equipment currently centering on time-lapse infrared photographic recording of the birds' reactions, was designed and produced by the Academy's Instrument Shop.

With his wife Marian, Dr. Hamilton traveled to New York last summer to collect and raise nestling cuckoos for his experiments. They hope some day soon to follow the trail of their birds to South America, testing migratory response along the way in a mobile laboratory.

Dr. Hamilton received his B.S. degree at Cornell. After two years in the Army (mostly in Korea), he did graduate work at Berkeley where he received his Ph. D. in 1960. His thesis research involved studies of the direction-finding abilities of ducks, a project which took him to the Delta Waterfowl Research Station in Manitoba in the summers of 1956 and 1957. From these experiments he concluded that ducks can tell directions by the sun and the stars.

Much of the Hamiltons' spare time is spent in Humboldt County where Marian's parents are ranchers. Bill's other interests include photography, basketball and ping-pong, as well as waterfowl hunting when he gets the chance. Marian shares his interest in photography and, when home duties permit, paints and works at ceramics.

(NEWS and NOTES continued)

Readers of PACIFIC DISCOVERY will be interested in the publication of a new book, "THE LAST HORIZON", authored by PD's conservation columnist, Dr. Raymond F. Dasmann. Stunning in format and poignantly disturbing in content, Dr. Dasmann's book should be on the "must" list for every individual who is concerned with conservation. "THE LAST HORIZON" is published by The Macmillan Company.

### NEW MEMBERS OF THE ACADEMY

#### Regular Membership

Mr. James Byron Branch	Dr. Walter A. Kohl
Miss Catherine Burch	Mr. M. B. Lane
Mr. David Clark	Mr. Peter Lovett
Mr. Wayne M. Collins	Mr. J. Alvan Luhr
Mr. Hal B. H. Cooper	Mr. Lewis H. McRoberts
Mr. Ronald J. Dugan	Mrs. Adele Irene Panofsky
Mr. Ernest P. Edwards	Mr. Phillip B. Perry
Miss Inez P. Ettelson	Dr. N. Purshottam
Mr. George S. Harris	Mr. W. N. Reich
Mr. Frederic R. Kelley	Dr. William A. Scheller
	Dr. Harold H. Smith

#### Family Membership

Dr. Vincent L. Douglas	Mr. Michael Kaku
Mr. & Mrs. Will M. Fawcett	Mr. & Mrs. Richard F. Kemp
Mr. Lancaster R. Fontaine	Mr. Collins Orton
Mr. Tom Gafford	Miss Judy Rupert
Mr. A. J. Hartzell, Jr.	Mr. Larry Scheve
Mr. Richard Hickman	Mr. Frank Shen
	Mr. Robert Wary

#### Contributing Membership

Mr. Albert G. Steltzner

#### Student Membership

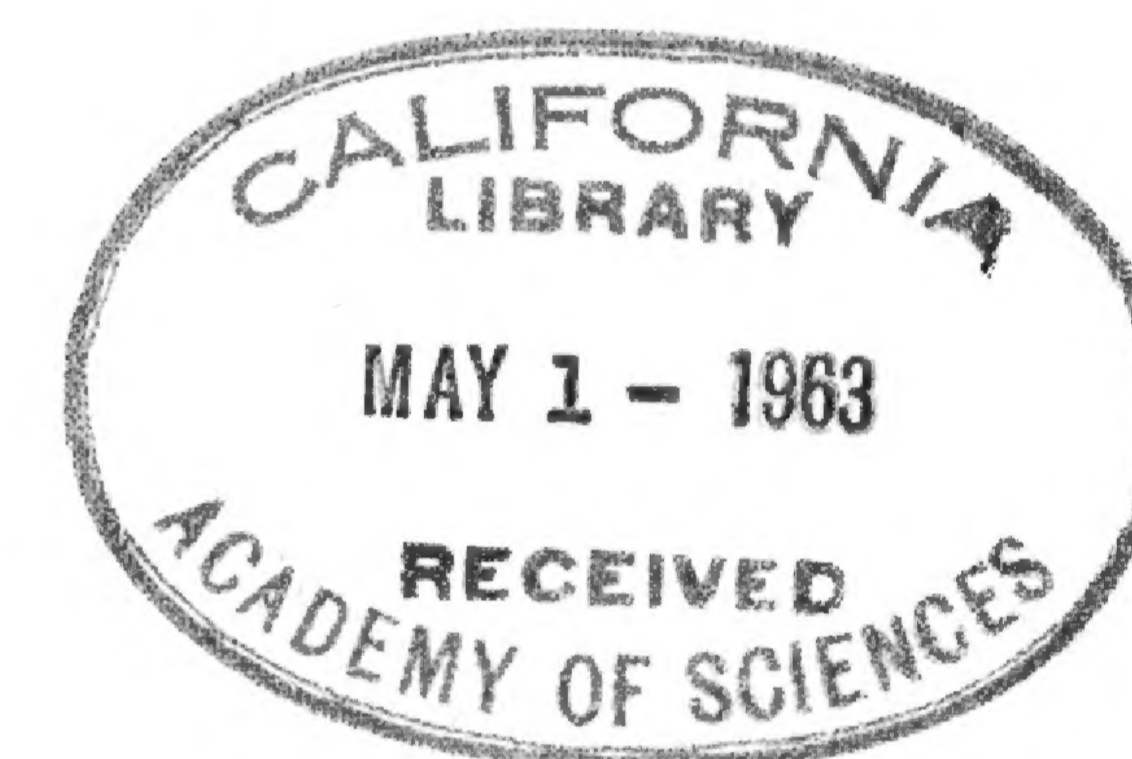
Bill Chionsini	Darcie Harmon
Theresa Lynn Dawson	Kenny Carl Harrington
Joe Garner	Stephen Kastel
David Gott	Keith Schmidt

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